

RANDOM ACCESS METHOD OF ACCOUNTING AND CONTROL

Transactions Processed Individually,
as they occur (on-line)
eliminates sorting and collating
avoids peak loads
continuous flow of work streamlines
operations
decisions made automatically during
processing

Related Records Updated in same
Processing Step
records always up to date
closer control over operations
reports prepared without preliminary
processing at end of accounting period
need for action is signaled
immediately

Direct Interrogation of Memory,
Automatic Response
sound decisions based on accurate,
up-to-the-minute facts
interim results of processing can be
automatically typed out for management
consideration

Since transactions are processed as
they occur, there is no waiting or lost
time. The emphasis is on constant
availability of information.
With 305 RAMAC records are always
current and up to date.

APPLICATIONS

305 RAMAC's advanced concepts can be applied to almost
every phase of business accounting and record keeping
and—in many cases—will encourage entirely new and
improved methods for the performance and control
of operations.

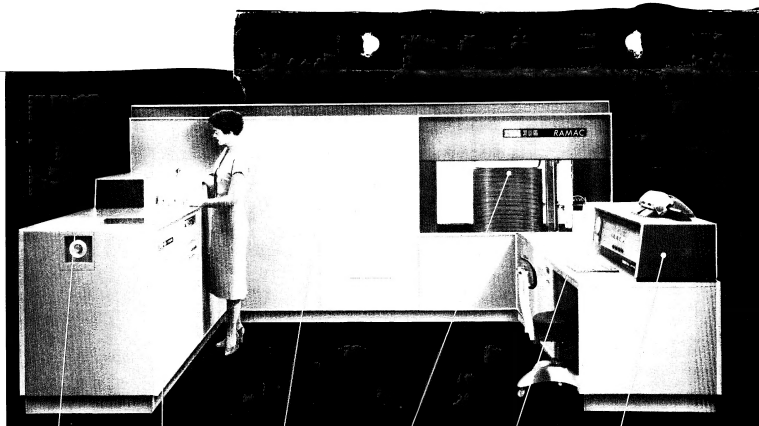
For complete information concerning the adaptability of
305 RAMAC to your business, telephone or write the
IBM branch office in your community,
or

International Business Machines Corporation
590 Madison Avenue, New York 27, New York

IBM

RANDOM
ACCESS
METHOD OF
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**A Compact...
Complete...
Commercial...
Data Processing
Machine**



This versatile, new serial printer with tape-controlled carriage prepares reports at speeds up to 80 lines per minute, depending on the number of printing positions per line.

This unit punches output data from 305 RAMAC into IBM cards, at any density, at speeds up to 100 cards per minute. Punching and printing can occur at the same time.

Within this section are magnetic core-electronic circuitry and a magnetic drum to store programs, rearrange information and perform arithmetical and logical processing of data. A wired control panel contributes to logical decision making, as well as ease of programming.

Any record stored here can be located directly at random, without searching through sequential information. Capacity is 5,000,000 alphabetical characters, stored as magnetic spots on the 50 rotating metal disks, visible through the protective glass cover.

This unit transfers data from punched cards into 305 RAMAC at speeds up to 125 cards per minute. Card reading can occur simultaneously with other programmed operations. Several transactions can be recorded in one card to accelerate data input.

From this console, by means of the transistor keyboard, memory can be interrogated for specific facts at any time. Answers are automatically typed by the receiving typewriter, mounted on the console. The various console indicator lights and switches aid in monitoring operations.

NOW

what 305 RAMAC[®] means to business

305 RAMAC is more than a remarkable new kind of general-purpose data processing machine with tremendous potential for organizations of all sizes. 305 RAMAC is more than a compact, self-contained "electronic bookkeeping department" that produces up-to-the-minute facts from ever-current files. 305 RAMAC is the mind-shaver, the forerunner of accounting to come—the modern answer to better business control.

Commercial data processing today depends largely on file numbering schemes which, in turn, depend upon access to these records affected by transcriptions. Records stored in 305 RAMAC can be located directly, without searching through unsorted information. As a result, 305 RAMAC creates revolutionary "on-line" data processing, the essence of the random access method of accounting and control.

Instead of processing data in sequential batches, each transaction is processed as it happens, and at the same time, every related record in De-U Storage is adjusted. For example, when a card for inventory control and billing, 305 RAMAC can, from a single order,

- determine availability
- price each item
- adjust stock balances
- invoice the customer
- prepare accounts receivable record
- accumulate data for later sales analyses
- credit salesman's commission account

Files in 305 RAMAC always reflect the status NOW, not as of the last updating period. Through the random access method of accounting and control, sorting and collating often are completely eliminated. At the end of an accounting period, reports can be prepared without preliminary processing. Further, in response to queries from the console keyboard, 305 RAMAC can—at any time—furnish specific, accurate facts on which to base decisions.